

## Historical Floods: Little Juniata River at Spruce Creek, Pennsylvania

Latitude: 40.613

Flood Stage: 8 ft

Period of Record: 1936-Present

Last Flood: 3/11/2011

Longitude: -78.141

Number of Floods: 71

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
3/18/1936	19.10	39,800	Major	C1
3/31/1940	10.82	7,760	Moderate	none
6/8/1940	8.44	4,440	Minor	none
6/5/1941	8.22	4,220	Minor	none
12/24/1941	8.25	4,220	Minor	none
12/30/1942	10.48	7,310	Moderate	none
3/7/1945	8.84	4,980	Minor	none
5/18/1945	9.75	6,280	Minor	none
5/27/1946	9.02	5,230	Minor	none
6/13/1946	8.13	4,160	Minor	none
4/12/1948	8.41	4,500	Minor	none
4/14/1948	9.70	6,140	Minor	none
11/25/1950	15.77	23,100	Major	none
3/30/1951	8.24	4,260	Minor	none
6/14/1951	10.68	8,040	Moderate	none
1/27/1952	8.10	4,140	Minor	none
3/11/1952	10.24	7,150	Moderate	none
11/22/1952	8.19	4,260	Minor	none
3/24/1953	9.32	5,700	Minor	none
5/31/1953	8.20	4,260	Minor	none
3/1/1954	11.53	9,600	Moderate	none

10/15/1954	10.77	8,230	Moderate	none
3/8/1956	8.76	5,000	Minor	none
5/13/1956	8.86	5,130	Minor	none
7/2/1956	9.67	6,320	Minor	none
2/10/1959	8.10	4,140	Minor	none
10/24/1959	8.26	4,380	Minor	none
3/31/1960	9.28	5,700	Minor	none
5/8/1960	8.40	4,500	Minor	none
2/26/1961	10.14	6,980	Moderate	none
4/7/1962	8.01	4,020	Minor	none
3/5/1964	8.43	4,540	Minor	none
3/10/1964	11.42	9,440	Moderate	none
2/13/1966	9.14	5,470	Minor	none
3/6/1967	8.50	4,620	Minor	none
9/28/1967	11.57	9,740	Moderate	none
7/23/1969	9.68	6,290	Minor	none
4/2/1970	9.54	6,060	Minor	none
2/27/1971	8.19	4,250	Minor	none
10/25/1971	8.45	4,560	Minor	none
3/3/1972	9.71	6,340	Minor	none
4/17/1972	8.85	5,060	Minor	none

Drainage Area: 220 sq mi

Gage Datum: 751.15 ft MSL

Juniata Basin

County of Gage: Huntingdon

County of Forecast Point: Huntingdon

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6/23/1972	16.98	28,600	Major	none
9/26/1975	8.67	5,400	Minor	none
6/21/1976	8.00	7,160	Minor	none
5/15/1978	8.08	6,650	Minor	none
3/5/1979	8.82	7,900	Minor	none
2/14/1984	10.17	9,770	Moderate	none
4/5/1987	9.16	7,790	Minor	none
3/29/1993	11.29	6,060	Moderate	none
4/1/1993	10.48	5,200	Moderate	none
4/16/1993	14.08	9,470	Major	none
4/27/1993	11.55	6,350	Moderate	none
11/28/1993	11.95	13,600	Moderate	none
3/25/1994	8.64	7,130	Minor	none
1/19/1996	13.00	16,000	Moderate	none
7/19/1996	10.15	9,930	Moderate	none
9/7/1996	9.68	9,020	Minor	none
11/8/1996	8.00	6,090	Minor	none
11/8/1997	10.31	10,200	Moderate	none
3/26/2002	8.04	6,150	Minor	none
1/2/2003	8.60	7,060	Minor	C7
11/19/2003	9.43	8,540	Minor	none

9/9/2004	12.94	15,800	Moderate	none
9/18/2004	15.46	22,100	Major	none
11/29/2005	8.74	6,790	Minor	none
1/25/2010	9.60	8,130	Minor	none
3/14/2010	9.84	8,540	Minor	none
11/30/2010	8.02	5,900	Minor	none
12/1/2010	11.03	10,700	Moderate	none
3/11/2011	8.45	6,500	Minor	none

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Date of Flood

Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

### MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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